

RECEIVED
CENTRAL FAX CENTER

AUG 23 2010

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) An optical detector system comprising ~~at least two~~ a first and a second optical detector units for receiving light generated from ~~at least two~~ a first and second lasers, respectively, each optical detector unit comprising an array of detector segments and at least one respective output terminal defining a current output of the each corresponding optical detector unit; and

a signal processing circuit;

wherein at least one current output of a the first optical detector unit is connected directly at a common current output node to a the corresponding current output of a the second optical detector unit, said common current output node being directly connected to a processing terminal of the signal processing circuit so that the processing terminal is directly connected to both the ~~at least one~~ corresponding current output of the first optical detector unit and the corresponding current output of the second optical detector unit through the common current output node, and

wherein, when the first light source is in use, only a the first optical detector unit ~~of the at least two optical detector units~~ is operative, ~~as determined by an identity of a first laser in use of the at least two lasers,~~ a and the second optical detector unit ~~of the at least two optical detector units being~~ is non-operative by virtue of not receiving light from a second laser ~~of the at least two lasers~~, so that, an output of the second optical detector

unit is floating and does not affects output signals produced by the first optical detector unit.

2. (Previously Presented) The optical detector system according to claim 1, wherein the two optical detector units are of mutually identical design.

3. (Previously Presented) The optical detector system according to claim 2, wherein the two optical detector units have mutually different wavelength sensitivity ranges.

4. (currently amended) The optical detector system according to claim 2, wherein each of the first and second optical detector units have multiple current outputs and each current output of the first optical detector unit is connected directly to the corresponding current output of the second optical detector unit at a corresponding output node.

5. (Previously Presented) The optical detector system according to claim 1, wherein the second optical detector unit in the non-operative state presents a high input impedance.

Claims 6-7 (Canceled)

8. (Previously presented) The optical detector system according to claim 1, wherein the signal processing circuit has at least one input terminal connected via a conductor to a corresponding output node of the optical detector system, and wherein said at least one input terminal comprises a current input.

9. (Previously presented) The optical detector system according to claim 1, wherein the signal processing circuit has at least one input terminal connected via a conductor to a corresponding output node of the optical detector system, and wherein said at least one input terminal comprises a voltage input, and wherein a terminator resistor is connected to said line.

10. (Previously Presented) The optical detector system according to claim 9, wherein said terminator resistor is arranged in the proximity of said signal processing circuit.

11. (Previously Presented) The optical detector system according to claim 9, wherein said terminator resistor is integrated in an IC implementing said signal processing circuit.

12. (Previously Presented) An optical system for a disc drive apparatus, comprising:

- light beam generating means for generating at least two light beams;

- optical components for directing and focusing the two light beams in a focal spot on an optical disc;

- an optical detector system according to claim 1;

- optical components for directing reflected light beams to respective optical detector units of the optical detector system.

13. (Previously Presented) The optical system according to claim 12, wherein said optical components are arranged such

that said light beams have at least partly common light paths.

14. (Previously Presented) The optical system according to claim 12, wherein said optical components are arranged such that said light beams have completely separate light paths.

15. (Previously presented) An optical unit comprising:

- a first light source configured for generating a first light beam;

- a second light source configured for generating a second light beam;

- optical components for directing and focusing at least one of the first light beam and the second light beam in a focal spot on an optical disc;

- a first optical detector unit configured for receiving the first light from the first light source;

- a second optical detector unit configured for receiving the second light from the second light source;

- wherein the optical components are for directing a reflected light beam to the first optical detector unit and the second optical detector unit;

- the first optical detector unit and the second optical detector unit each comprising an array of detector segments and being connected together to a common current output node defining a current output of the first optical detector unit and the second optical detector unit; and

- a signal processing circuit having a processing terminal which is directly connected to the common current output node so that the processing terminal is directly connected to both the first optical detector unit and the second

optical detector unit through the common current output node;

wherein, when the first light source is in use, only the first optical detector unit is operative, ~~as determined by an identity of a first light source in use,~~ and the second optical detector unit being is non-operative by virtue of not receiving light from a second light source, so that, an output of the second optical detector unit is floating and does not affects output signals produced by the first optical detector unit.

16. (Previously Presented) A disc drive apparatus, comprising an optical system according to claim 1.

17. (Previously presented) A disc drive apparatus, comprising at least one optical unit according to claim 15.

Claim 18 (Canceled)